

*Calder Service
H. B. B. B. Unit Oct 2 1952*

DST #1: 6470-6565 (95') 3/4" bottom choke x bubble hose top, no water cushion, tool open 2 hours, weak blow 5 minutes and died. Rec. 270'. Drilling fluid ISIP 2431 (1 hr) IFP 137, FFP 137, FSIP 1011 (1 hr) IHH 2889, FHH 2889.

DST #2: 11310-11337 (27' Strawn Reef), 3/4" bottom x 1/2" top chokes, 1500' water cushion, tool open 4 hrs. 15 min. w/good blow increasing to strong blow, 12 1/2 PSI 25 min, 28 PSI in 1 hr, 40 psi in 2 hrs. w/gas to surface. Load water to surface in 2 hrs. 40 min. Flowed 34 bbls. salt water w/distillate odor in 1 hr. FTP 750 PSI on 16/64" choke. IMCP 6525, ISIP (1 hr.) 5888, IF 942, FF 5091, FSIP (1 hr.) 5866, FMCP 6525.

DST #3: 11789-11816 (27' of Atoka or lower Strawn) 3/4" x 1/4" chokes, 2000' of nitrogen cushion pressured to 2000 PSI. Misrun due packers failing.

DST #4: 11796-11816 (20' of Atoka or lower Strawn) 3/4" x 1/2" chokes, 2000' of nitrogen cushion pressured to 500 psi, tool open 2 1/2 hrs, good blow immediately, 15 psi in 11 min. on 3/8" choke, 12 PSI in 20 min. on 1/2" choke, 17 psi in 60 min on 1/2" choke, gas to surface in 78 min, 31 PSI in 90 min on 1/2" choke, 12 PSI in 120 min. on 1/2" choke, 9 PSI in 150 min. on 1/2" choke no fluid to surface. Rec. 60' of gas cut mud. IMCP 6752, IF 572, FF 621, ISIP (1 hr) 6298, F FSIP (1 hr) 6230, FMCP 6729, Temp. 176° F.

DST #5: 12080-12121 (41' of Atoka Lime) 3/4 x 1/2" chokes, 1200' of nitrogen cushion pressured to 500 psi, tool open 2 hrs, good blow immediately. Maximum pressure 9 PSI in 15 mins, decreasing to 1/2 PSI at 30 mins. and for remainder of test. Rec. 70' of slightly gas cut mud. ISIP (1 hr) 5478, IF 527, FF 527, FSIP (1 hr) 3456, IMCF 6892, FMCF 6892, Temp. 172° F

DST #6: 12440-12508, 68' of Morrow Sand, 3/4 x 1/2 chokes, 1200' of nitrogen cushion pressured to 500 psi, tool open 2 hrs, no blow for 1st hr, then good blow increasing to 4 PSI maximum and decreasing to weak blow at end of test. Rec. 340' of slightly gas cut mud. No gas to surface. ISIP (1 hr) 2511, IF 654, FF 795, FSIP (1 hr) 1770, IMCF 7169, FMCF 7169.

DST #7: 12765-12831, 66' of Morrow Sand (3 stringers 12757-66, 12781-92 and 12807-24), 3/4 x 1/4 chokes, 2000' Nitrogen cushion pressured to 1000 psi, tool open w/good blow immediately, gas to surface in 3 min., 250 psi in 5 min, 2400 psi in 10 mins. and mud to surface, 3000 psi in 1 hour, 3400 PSI in 90 mins. on 8/64" choke. Flowed through test equipment @ rate of 2692 MCF, 16/64" choke, FTP 3500 psi, no distillate to surface. Final surface S.I.P. 3850 psi, ISIP 5248, IF 3738, FF 4778, FSIP (1 hr) 5238, MCF 7261 PSI.

Core #1: 11337-11391, Cut 54', no show.

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